

# MICRO AUDIO SYSTEM with CD PLAYER

# OWNER'S MANUAL MS7609

Visit our web site at www.emersonradio.com



### CAUTION

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT USE THIS PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE. TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.



The lightning flash with arrowhead symbol, within an equilateral triangle is intented to alert the user to the presence of uninsulated 'dangerous voltage' within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

# CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN

WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK), NO USER SERVICEABLE PARTS INSIDE REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

# **IMPORTANT SAFETY INSTRUCTIONS**

- 1.) Read these instructions.
- 2.) Keep these instructions.
- 3.) Heed all warnings.
- 4.) Follow all instructions.
- 5.) Do not use this apparatus near water.
- 6.) Clean only with dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8.) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9.) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10.) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11.) Only use attachments / accessories specified by the manufacturer.
- 12.) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 13.) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- 14.) Do not overload wall outlet. Use only power source as indicated.
- 15.) Use replacement parts as specified by the manufacturer.
- 16.) The product may be mounted to a wall only if recommended by the manufacturer.
- 17.) Upon completion of any service or repairs to this product, ask the service technician to perform safety checks.







- 18.) Power Sources This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operation instruction.
- 19.) Object and Liquid Entry Never push object of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
- 20.) Servicing Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH SAME TYPE 2.5A, 250V FUSE.

#### **BEFORE WE BEGIN**

Thank you for purchasing this Emerson audio product. The Emerson brand is your assurance of quality, performance and value.

Our engineers have included many useful and convenient features in this product. Please be sure to read this Owner's Manual completely to make sure you are getting the maximum benefit from each feature.

This product was manufactured using the highest quality components and standards of workmanship. It was tested by Emerson inspectors and found to be in perfect working order before it left our factory. However, there is always the chance that some problem may occur because of rough handling during shipment to the retail store or to the final consumer.

If, after reading this Manual, you experience any problems with the operation of this product, please refer to the instructions for obtaining service at the end of this Manual. Emerson and Emerson retailers are committed to your satisfaction.

Once again, thanks for purchasing this Emerson audio product.

For future reference, record the serial number in the space provided.

Model No: MS7609	
Serial Number :	







- Avoid installing this unit in places exposed to direct sunlight or close to heat radiating appliances such as electric heaters, on top of other stereo equipment that radiates heat, places lacking ventilation or dusty areas, places subject to constant vibration and/or humid or moist areas.
- Do not attempt to clean this unit with chemical solvents as this might damage the finish. Use a clean dry cloth.
- Operate controls and switches as described in the manual.
- Before turning on the power, make certain that the connecting cords and power cord are properly installed.
- Store your CDs in a cool area to avoid damage from heat.
- When moving the set, be sure to first disconnect the power cord and remove cords connected to other equipment.

#### **CLASS 1 LASER PRODUCT**

CLASS 1 LASER PRODUCT APPAREIL Á LASER DE CLASSE 1 PRODUCTO LASER DE CLASE 1 CAUTION
INVISIBLE LASER RADIATION
WHEN OPEN AND INTERLOCKS
DEFEATED.
AVOID EXPOSURE TO BEAM



This product contains a low power Laser Device.

# **———**

#### **FCC INFORMATION**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- · Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.





# PREPARATION FOR USE

#### **UNPACKING AND SET-UP**

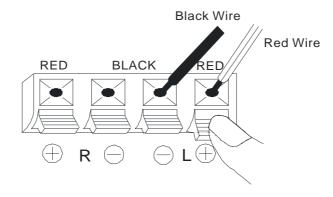
- Carefully remove the unit from the carton and remove all packing material from the unit.
- Remove any labels or stickers which may be on the front or top of the set, but do not remove any labels from the back or bottom.
- We suggest that you retain the original carton and packing materials in case it
  ever becomes necessary to return your unit for service. This is the only sure
  way to protect the unit from damage in transit.
- If you do dispose of the carton and packing materials, please do so properly. Emerson cares about our environment.

#### SPEAKER CONNECTION

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Connect each speaker to the corresponding speaker terminals on the back panel of the main unit. Make sure that the left speaker is connected to the left (L) pair of speaker terminals and the right speaker to the right (R) pair of speaker terminals. Also make sure that the speaker wires are correctly connected: that the red wires are connected to the red terminals and the black wires to the black terminals.

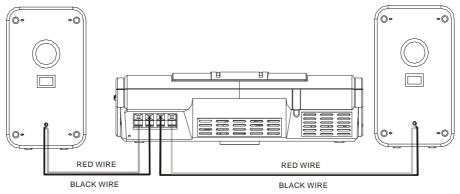
Depress the plastic lever to open the terminal, insert the bare end of the speaker wire into the opening and release.





# RIGHT SPEAKER

#### **LEFT SPEAKER**



#### PROTECT YOUR FURNITURE!!

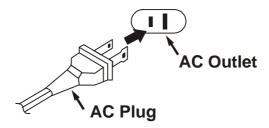


This model is equipped with non-skid rubber 'feet' to prevent the product from moving when you operate the controls. These 'feet' are made from non-migrating rubber material specially formulated to avoid leaving any marks or stains on your furniture. However certain types of oil based furniture polishes, wood preservatives, or cleaning sprays may cause the rubber 'feet' to soften, and leave marks or a rubber residue on the furniture. To prevent any damage to your furniture we strongly recommend that you purchase small self-adhesive felt pads, available at hardware stores and home improvement centers everywhere, and apply these pads to the bottom of the rubber 'feet' before you place the product on fine wooden furniture.



#### **POWER SOURCE**

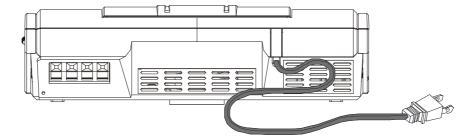
This system is designed to operate on 120V 60Hz AC house current . Connecting this system to any other power supply could result in damage to the unit which is not covered by your warranty. You will note that this system is equipped with a polarized AC power plug having one blade wider than the other. This is a safety feature. If this plug does not fit into your existing AC outlet, do not try to defeat this safety feature by filing the wide blade to make it fit into your outlet. If this plug will not fit into your outlet, you probably have an out-dated non-polarized AC outlet. You should have your outlet changed by a qualified licensed electrician.





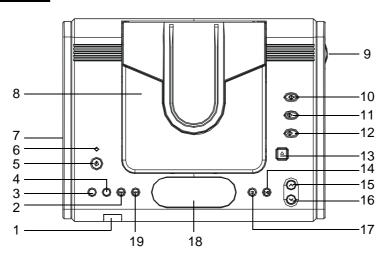


- 1.) Unwind the AC Power Cord completely.
- 2.) Insert the plug into any convenient 120V 60Hz AC outlet.

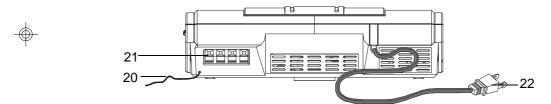


# **LOCATION OF CONTROLS AND INDICATORS**

#### **TOP PANEL**



#### **BACK PANEL**

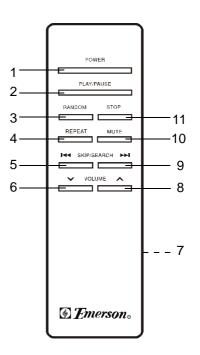


- 1.) Remote Control SENSOR.
- 3.) PROGRAM Button.
- 4.) REPEAT Button.
- 5.) POWER On/Off Button.
- 7.) PHONES  $\bigcap$  Jack.
- 6.) STANDBY LED Indicator.
- 8.) CD Compartment.
- 9.) TUNING Control.
- 10.) AM/FM/FM ST. Selector.

- 11.) CD/RADIO Selector.
- 2.) Reverse SKIP/SEARCH ■ Button. 12.) BASS BOOST ON/OFF Selector.
  - 13.) CD DOOR OPEN ▲ Button.
  - 14.) PLAY/PAUSE ► Button.
  - 15.) VOLUME UP ∧ Button.
  - 16.) VOLUME DOWN ✓ Button.
  - 17.) STOP Button.
  - 18.) Multi Function LCD Display.
  - 19.) Forward SKIP/SEARCH ► Button.
  - 20.) FM Wire Antenna.
  - 21.) Speaker Terminals.
  - 22.) AC Power Cord.



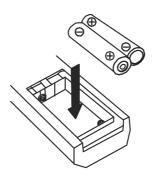
- 1.) POWER Button.
- 2.) PLAY/PAUSE Button.
- 3.) RANDOM Button.
- 4.) REPEAT Button.
- 5.) Reverse SKIP/SEARCH ■ Button.
- 6.) VOLUME **∨** Button.
- 7.) Battery Compartment (Back cabinet)
- 8.) VOLUME Button.
- 9.) Forward SKIP/SEARCH ►► Button.
- 10.) MUTE Button.
- 11.) STOP Button.



#### **BATTERY INSTALLATION**



Insert 2 pcs 'AA' size (Alkaline) batteries (not included) into the battery compartment of the remote controller. Be sure to observe the polarity markings which are engraved inside the battery compartment, then close the cover.



# **BATTERY REPLACEMENT**

When the batteries become too weak, the operating distance of the remote controller is greatly reduced and you will need to replace the batteries.



#### **NOTES:**

- · To maintain the accuracy and long life of the transmitter, do not press two or more buttons simultaneously.
- If the remote control is not to be used for a long time, remove the batteries to prevent possible damage through leaking batteries.
- Do not mix different types of batteries, or old batteries with new ones.

#### USING THE REMOTE CONTROLLER CORRECTLY

- · Point the remote controller at the Remote Sensor.
- · The functions of the buttons on the remote control are the same as the corresponding controls on the main unit.
- · When there is a strong ambient light source, the performance of the infrared Remote Sensor may be degraded, causing unreliable operation.
- The maximum effective distance for remote control operation is about 15 feet.

#### **BATTERY PRECAUTIONS**

Follow these precautions when using batteries in this device:

- 1. Use only the size and type of batteries specified.
- 2. Be sure to follow the correct polarity when installing the batteries as indicated in the battery compartment. Reversed batteries may cause damage to the device.
- 3. Do not mix different types of batteries together (e.g. Alkaline and Carbon-Zinc) or old batteries with fresh ones.
- 4. If the device is not to be used for a long period of time, remove the batteries to prevent damage or injury from possible battery leakage.
- 5. Do not try to recharge batteries not intended to be recharged; they can overheat and rupture. (Follow battery manufacturer's directions.)



# **OPERATING INSTRUCTIONS**

#### LISTENING TO RADIO

#### **TUNER INFORMATION**

This system features a normal AM/FM analog tuning system. Unlike a digital tuner it does not automatically lock in on the exact frequency of a station. However instead of a dial scale and a moving dial pointer we have included a digital frequency display to help you tune more accurately. Do not be concerned if you cannot easily tune the display to the exact frequency of your favorite stations, especially on the AM band. Slowly rotate the TUNING control until the display approaches the frequency of the desired station and stop when get the strongest, noise free reception - even if the display is not indicating the exact frequency of desired station.

#### **VOLUME AND BASS BOOST CONTROLS**

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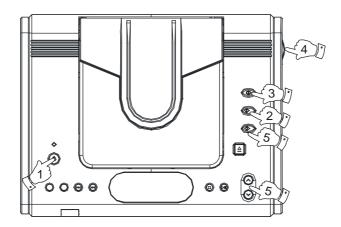
This model features electronic UP/DOWN volume controls on both the main unit and the remote handset. Press the VOLUME UP  $\wedge$  or DOWN  $\vee$  button to raise or lower the volume.



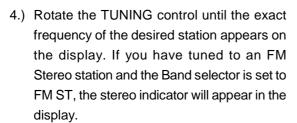
Slide the BASS BOOST switch on the main unit to the 'ON' position to provide increased bass response, especially at lower volume levels. If you are listening to music with heavy bass at high volume levels slide the BASS BOOST switch to the 'OFF' position to prevent distortion.



1.) Press the POWER  $\circlearrowleft$  button on the main unit or the remote control. The main display lighting comes 'On' and the STANDBY LED indicator goes 'Off'.



- 2.) Select the Radio function by switching the CD/RADIO selector to RADIO position.
- 3.) Select the desired band (AM, FM or FM ST.) with the Band selector switch.





**Note:** If you are listening to a weak or distant FM Stereo station and reception fades or is noisy, setting the Band selector to the FM position will normally provide some improvement. However the sound will no longer be in stereo.

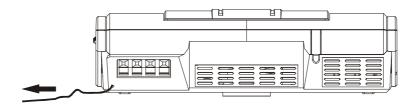
- 5.) Adjust VOLUME level and BASS BOOST control as desired.
- 6.) When you are finished listening press the POWER 🖒 button on the main unit or the remote control to turn the power 'Off'. The main display lighting goes 'Off' and the STANDBY LED indicator comes 'On' again.



#### **ANTENNA**

#### <u>FM</u>

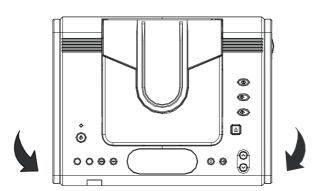
For FM reception there is a built-in FM antenna wire at the rear of the unit. Unravel the wire and move it around to obtain the best reception.



#### <u>AM</u>

The AM bar antenna is inside the cabinet. To improve AM reception, you may have to move or slightly rotate the main unit until you obtain the best reception.







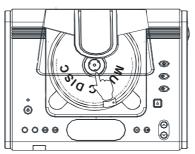


#### **NORMAL PLAYBACK**

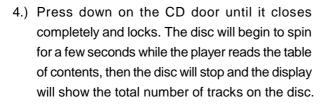
- 1.) Press the POWER 🖒 button on the main unit or the remote control. The main display lighting comes 'On' and the STANDBY LED indicator goes 'Off'.
- 2.) Set the CD/RADIO selector to the CD position. Two bars "- -" will flash in the display for a few seconds while the player tries to read the disc and then "00" will appear, indicating that there is no disc in the player.



3.) Press the CD door OPEN ≜ button to open the CD door. Place a CD on the center spindle with the printed label side facing up. Gently press down on the disc near the center hole to make sure that the disc is properly 'seated' on the spindle.









5.) Press the PLAY/PAUSE ►II button to begin playback. The PLAY indicator appears in the display and playback begins on track 1.



- 6.) Adjust the VOLUME and BASS BOOST controls as desired.
- 7.) When the last track has played the disc stops automatically. To stop playback at any time before the disc ends press the STOP button. The display again shows the total number of tracks on the disc.



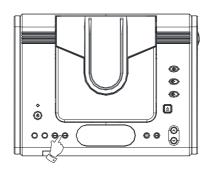
#### **PAUSE CONTROL**

To pause temporarily during playback press the PLAY/PAUSE **I** button again. The sound stops and the PLAY indicator flashes, but the disc continues to spin. Press the PLAY/PAUSE **I** button once more to cancel pause and resume normal playback. The PLAY indicator stops flashing.



#### SKIP/SEARCH (►►I/I←I) CONTROLS

To start playback from a specific track insert your disc and wait for the display to show the total number of tracks. Press either the ►► or ►► SKIP/SEARCH button until the desired track number appears on the display, then press the PLAY/PAUSE ►■ button to begin playback on that track.



To skip tracks during playback press either the ►► or ►< SKIP/SEARCH buttons until the desired track number appears on the display. Playback will begin on the desired track.

During playback, to quickly search within a track for a specific musical passage depress and hold either the ►► or ► SKIP/SEARCH buttons. The player will move forward or backward at high speed. When you hear the desired passage release the ►► or ► buttons. Normal playback will resume at that point.





You can repeat either a single track or the entire disc continuously. Repeat function can be activated while the disc is playing or while the disc is stopped, but there must be a disc in the player.

#### To Repeat A Single Track:

- Press the ▶ or ◄ button to select the desired track.
- Press the REPEAT button once. The REPEAT indicator flashes.
- Press the PLAY/PAUSE I button to begin playback. The selected track will be repeated continuously.



#### To Repeat The Entire Disc

Press the REPEAT button twice. The REPEAT indicator remains 'On'.



 Press the PLAY/PAUSE I button to begin playback. The entire disc will be repeated continuously.

#### To Cancel Repeat Playback

Press the REPEAT button until the REPEAT indicator disappears, or press the STOP ■ button. Repeat function will also be canceled if you open the CD door or switch to the RADIO function.





The Random function can be activated while the disc is playing or while the disc is stopped, but there must be a disc in the player.

- Load your disc and wait until the total tracks appear on the display.
- Press the RANDOM button on the remote control. The RANDOM indicator appears in the display.
- Press the PLAY/PAUSE I button. The PLAY indicator also appears. The player will select a track at random and begin playback. After all tracks have played in random order the player stops automatically and the display again shows the total tracks.

PLAY RANDOM

To cancel Random playback press the RANDOM button until the RANDOM indicator disappears. You may also cancel the Random function by pressing the STOP ■ button twice, or by switching from CD to RADIO function.







#### Notes:

- You can program up to 20 tracks on a disc to playback in any desired order. The same track number can be programmed to play several times if desired.
- There is no PROGRAM button on the remote control. The PROGRAM button is located on the main unit only.
- The player must be in the Stop mode to enter a program. You cannot enter a program while a disc is playing.
- Load your disc and wait for the total tracks to appear. If the disc is playing press
  the STOP button and wait for the total tracks to appear.
- Press the PROGRAM button on the main unit.
   The PROGRAM indicator and program number
   "01" begin flashing in the display.



3.) Press the SKIP/SEARCH (►►I/I◄) buttons to select the first track to be programmed.

(Example: Track Number 7).



4.) When the desired track number appears in the display press the PROGRAM button again. The track number disappears and the program number advances to "02".



- 5.) Press the ►►I/I◄ buttons to select the next track to be programmed. When the desired track number appears in the display press the PROGRAM button to enter that track in the program memory and advance the display to the next program number.
- 6.) Repeat Step 5 until you have entered up to 20 tracks in the memory.



Ψ

7.) Press the PLAY/PAUSE I button to begin programmed playback. The PLAY indicator appears together with the PROGRAM indicator. Playback will begin on the first programmed track and continue until all of the programmed tracks have been played.

PROGRAM PLAY

**Note:** If the ►►I/I← SKIP/SEARCH button are pressed during programmed playback the player will skip forward or back to the next track in the programmed sequence, not the next track on the disc.

After all of the programmed tracks have been played the player stops and the PLAY indicator disappears. But the PROGRAM indicator remains in the display and the programmed sequence remains in the memory. If you press the PLAY/PAUSE ►■ button the programmed sequence will play again. To cancel the program from memory press the STOP ■ button again. The PROGRAM indicator disappears.

#### PROGRAMMED REPEAT PLAYBACK



To repeat a programmed sequence continuously, first enter the desired tracks in the

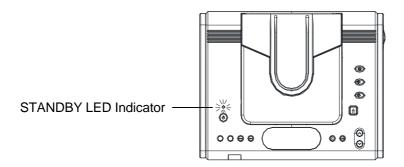
program memory as described above, then press the REPEAT button twice so that the PROGRAM and REPEAT indicators both appear in the display, and press the PLAY/PAUSE ID button to begin playback.





# **MUTE CONTROL (On Remote Control Only)**

To shut off the sound of the radio or the CD temporarily press the MUTE button on the remote control. The speakers shut off and the STANDBY LED indicator flashes. Press the MUTE button again to cancel mute and restore the sound. The STANDBY LED indicator goes 'Off'.



#### STEREO HEADPHONE JACK



For private listening without disturbing others connect a set of stereo headphones (not included) to the PHONES  $\bigcap_{\mathbf{r}}$  Jack on the left side panel. The built-in speakers automatically shut off when stereo headphones are connected to the headphone jack. When using stereo headphones always start with the volume control set to a low level and gradually increase until you find the desired level.

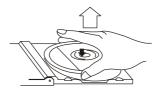




# **CARE AND MAINTENANCE**

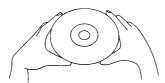
#### **COMPACT DISC CARE**

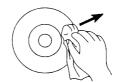
 To remove a disc from its storage case, press down on the centre of the case and lift the disc outs, holding it carefully by the edges.





- Fingerprints and dust should be carefully wiped off the disc's recorded surface
  with a soft cloth. Unlike conventional records, compact discs have no grooves
  to collect dust and microscopic debris, so gently wiping with a soft cloth should
  remove most particles. Wipe in a straight line from the inside to the outside of
  the disc. Small dust particles and light stains will have absolutely no effect on
  reproduction quality.
- Clean the disc periodically with a soft, lint-free, dry cloth. Never use detergents
  or abrasive cleaners to clean the disc. If necessary, use a CD cleaning kit.
- Never write on or affix labels to the surface of compact discs.







#### **CARE OF THE CABINETS**

- If the cabinets become dusty wipe them with a soft dry dust cloth. Do not use any wax or polish sprays on the cabinets.
- If the front panel becomes dirty or smudged with fingerprints it may be cleaned with a soft cloth slightly dampened with a mild soap and water solution. Never use abrasive cloths or polishes as these will mar the finish of your unit.

#### **CAUTION:**

Never allow any water or other liquids to get inside the unit while cleaning.





#### TROUBLESHOOTING GUIDE

Should this unit exhibit a problem, check the following before seeking service.

Symptom	Possible Cause	Solution
Radio		
Noise or sound	Station not tuned properly for	Retune the AM or FM
distorted on AM or	AM or FM.	broadcast station.
FM broadcasts.	FM: Wire antenna is not	Extend FM Wire antenna.
	extended.	
	AM: The unit is not positioned	Reposition the unit until
	correctly.	best reception is obtained.
FM Sereo indicator	FM station is mono or station	Extend FM Wire antenna.
does not light.	signal is weak.	Try other strong stations.
AM or FM, no sound.	Function is not set to RADIO.	Switch CD/RADIO selector
		to RADIO position.
	Volume at minimum.	Increase Volume.
Compact Disc Player		
CD Player will not	Function is not set to CD.	Switch CD/RADIO selector
play.		to CD position.
	CD is not installed or	Insert CD with label side
	installed incorrectly.	up.
CD skips while playing.	Disc is dirty or scratched.	Wipe disc with cloth or use
		another disc.







SERVICE

TO FIND THE LOCATION AND PHONE NUMBER OF YOUR NEAREST SERVICE CENTER PERMITTED TO PERFORM WARRANTY...

CALL TOLL FREE: 1-800-695-0098

FOR ADDITIONAL SET-UP OR OPERATING ASSISTANCE PLEASE CALL: 1-800-898-9020

FOR CUSTOMER SERVICE, PLEASE WRITE TO:
Emerson Radio Corp.,
Consumer Affairs Dept.,
1901 Diplomat Drive,
Farmers Branch, TX 75234.



#### LIMITED WARRANTY

Emerson Radio Corp. warrants manufacturing defects in original material, including original parts and workmanship, under normal use and conditions, for a period of ninety (90) days from the date of original purchase in the U.S. With your dated proof of purchase, we will provide repair service at no charge for labor and parts at an authorized Depot Repair Facility, or replace the product in our discretion. For repair or replacement, pack your unit in a padded box, enclose your check or money order payable to Emerson Radio Corp. in the amount of \$9.00 (not required by California residents) to cover shipping and handling costs, and enclose a copy of your proof of purchase. Send your unit to:

Emerson Radio Corp. 1901 Diplomat Drive. Farmers Branch, TX 75234.

This warranty does not cover damage from negligence, misuse, abuse, accident, failure to follow operating instructions, commercial use, rental, repairs by an unauthorized facility, or products purchased, used, serviced or damaged outside of the United States.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

**AU898M** 







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**EMERSON** 

Part No. : 16-2901 303-01

Printed in China